

Electronic Acknowledgement Receipt

EFS ID:	5837118
Application Number:	10692833
International Application Number:	
Confirmation Number:	9224
Title of Invention:	Data detection and demodulation for wireless communication systems
First Named Inventor/Applicant Name:	J. Rodney Walton
Customer Number:	23696
Filer:	Ross L Franks/Leeanne Lawlor
Filer Authorized By:	Ross L Franks
Attorney Docket Number:	030060
Receipt Date:	05-AUG-2009
Filing Date:	23-OCT-2003
Time Stamp:	19:08:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	NPL Documents	Robust_Frequency_Offset_Esti mation_for_Pilot_Symbol.pdf	301013 dd836081b1006c696cce0e16fae7a72fc3323aae	no	3

Warnings:

Information:

2	NPL Documents	IEEE_802_11a-1999.pdf	366440	no	90
			a2fa872ed47afdee78cdf1594841ef6454d688dc		
Warnings:					
Information:					
3	NPL Documents	Symbol_rate_processing_for_the_downlink_of_ds_cdma_systems.pdf	238232	no	8
			b21ceba7b1afa840a5dab190cc7e823b6c9d878c		
Warnings:					
Information:					
4	NPL Documents	On_Application_of_Multiple_Input_Multiple_Output_Antennas.pdf	384206	no	6
			d88b23202133bbb21bdd3e81b2c13bc54a0cce1f		
Warnings:					
Information:					
5	NPL Documents	Performance_analysis_of_different_algorithms_for_cdma.pdf	466993	no	6
			e5219f92ad273dc71e9ab3caf2fa3bfac0e5537		
Warnings:					
Information:					
6	NPL Documents	Improved_Adaptive_Downlink_for_OFDM_SDMA_Based_Wireless.pdf	341404	no	6
			5948f94b42fc7502a5da70f205e943ee80bea148		
Warnings:					
Information:					
7	NPL Documents	High_bandwidth_efficiency_space-time_turbo_coded_modulation.pdf	542376	no	6
			48b212a896e55518919029605f18a031e3a4d150		
Warnings:					
Information:					
8	NPL Documents	Space_Division_Multiplexing_SDM_for_OFDM.pdf	425131	no	6
			d4f94e29005cd997d557f1004215e678c78d9dd8		
Warnings:					
Information:					
9	Foreign Reference	RU2335852.pdf	270360	no	3
			3211b17435a54f228df74d619a08418a85d00250		
Warnings:					
Information:					
10	NPL Documents	Performance_of_MIMO_Systems_with_Channel_Inversion.pdf	317700	no	6
			bbc7a35920c7297a377a89a3c2e61b1c4cd96bb9		
Warnings:					
Information:					

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.